(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 10 February 2005 (10.02.2005)

PCT

(10) International Publication Number WO 2005/013386 A2

(51) International Patent Classification7:

H01L 51/00

(21) International Application Number:

PCT/GB2004/003332

(22) International Filing Date: 2 August 2004 (02.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0318018.9 0318756.4 1 August 2003 (01.08.2003) GB

11 August 2003 (11.08.2003) GB

(71) Applicant (for all designated States except US): CDT OX-FORD LIMITED [GB/GB]; Building 2020, Cambourne Busines Park, Cambridgeshire, CB3 6DW (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GILANI, A. [GB/GB]; CDT Oxford Limited, Building 2020, Cambourne Busines Park, Cambridgeshire, CB3 6DW (GB). STEUDEL, Annette, Regine [DE/GB]; CDT Limited, Building 2020, Cambourne Busines Park, Cambridgeshire. CB3 6DW (GB). PILLOW, Jonathan [GB/GB]; CDT Limited, Building 2020, Cambourne Busines Park, Cambridgeshire, CB3 6DW (GB). FRAMPTON, Michael [GB/GB]; CDT Limited, Building 2020, Cambourne Busines Park, Cambridgeshire, CB3 6DW (GB).

(74) Agent: GILANI, Anwar; c/o IP Department, CDT Limited, Building 2020, Cambourne Busines Park, Cambridgeshire, CB3 6DW (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

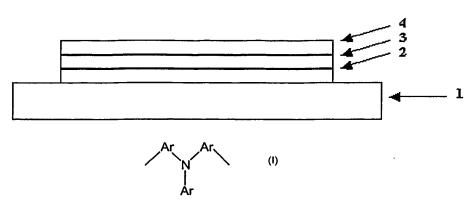
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTROLUMINESCENT DEVICE



(57) Abstract: An electroluminescent device comprising: - a first electrode for injection of positive charge carriers; - a second electrode for injection of negative charge carriers; and - an electroluminescent layer located between the first and second electrodes comprising a host material and a metal complex, wherein the host material comprises a polymer having a first repeat unit of formula (I): wherein each Ar is the same or different and independently represents an optionally substituted aryl or heteroaryl and any two Ar groups may be directly linked by a single bond.